Oregon Scientific™ Slim Dual Band RF Travel Clock (RM928)

User Manual

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INTRODUCTION

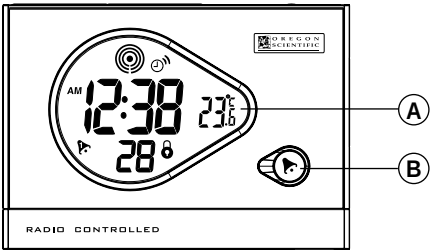
Thank you for selecting the Oregon Scientific™ Slim Dual Band RF Travel Clock as your product of choice. This device is designed to give you many years of reliable service, including the following conveniences:

- **Ultra-slim, near credit card size (only 7mm)**
- **Radio-Controlled Calendar Clock**
- **Indoor Temperature Display**
- **Dual 2-minute Crescendo Alarm**

In addition to providing step-by-step instructions for this product, this manual contains important safety and care information. Read the manual thoroughly, and keep it in a safe place in case you need to refer to it.

KEY FEATURES

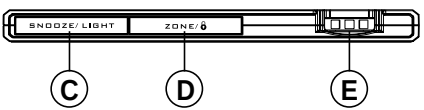
FRONT



A. LCD Display

B. Alarm Button
Display and adjusts alarm time

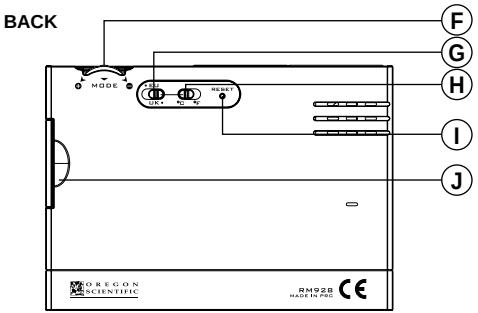
TOP



C. Snooze / Light Button
i) Activates the snooze function
ii) Adjusts the backlight setting

D. Zone / Lock Button
i) Changes to 2nd time zone displays
ii) Enables/Disables key lock function

E. Mode/ UP/ DOWN Switch
i) Adjusts settings, values, and toggle between displays



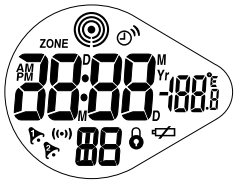
F. EU/UK Switch
Switch between receiving radio reception from UK or Germany (EU)

G.Temperature Switch
Switches between Celcius and Fahrenheit temperature displays

H. Reset Hole
Returns all settings to default values

I. Battery Compartment
The unit uses 1 piece of CR2032 3V Lithium button cell battery for power

LCD DISPLAY



ICON	NAME	DESCRIPTION
	Radio Reception Signal	Indicates the condition of radio reception.
	Hourly Chime	Unit rings hourly.
ZONE	2nd Time Display	The 2nd Time Display is shown on the LCD.
	Temperature unit	Temperature is displayed either in °C or °F.
	Low Battery	Appears when power is low.
	Alarm–on	Appears when alarm is activated.
	Alarm Time Indicator	Appears when alarm time is displayed.
	Key Lock	Appears when keys are locked

SAFETY AND CARE INSTRUCTIONS

SAFETY

Please observe the following safety precautions when setting up and using this product.

- LCD panel – The LCD panel is made of glass, and may break if the unit is dropped or impacted.
- Heat sources – Keep the product away from heat sources such as radiators, stoves, heaters, and other heat-generating products.
- Water and moisture – Do not use the product in or near water or in high moisture areas such as a bathroom.

CARE

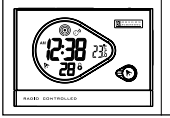
To ensure you receive the maximum benefit from using this product, please observe the following guidelines.

- Cleaning – Use a damp cloth. Do not use liquid cleaning agents, benzene, thinner, or aerosols.
- Ventilation – The vents and other openings are designed for ventilation, and should not be blocked or covered. Blocking the vents can cause the product to overheat, and can damage the unit.
- Repair – Do not attempt to repair the product or modify the circuitry by yourself. Voltages are contained inside the unit. Contact the retailer or a qualified repairman if the product requires servicing. Only use replacement parts that are recommended by the manufacturer.
- Do not scratch hard objects against the LCD display as this may cause damage.

GETTING STARTED

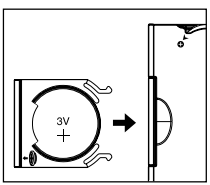
UNPACKING THE PRODUCT

When you unpack your clock, make sure to keep all the packing materials in a safe place, in case you need to later transport or return it for servicing. In the box, you will find:

Main unit	Battery	User manual	Pouch
			

BATTERIES

To load the battery:



Instructions

1. Locate the battery compartment.
2. Install the battery. Observe the polarities.

Warning:

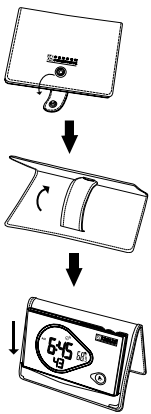
Incorrect installation may damage the product.

NOTE Replace the battery whenever the weak battery mark ( ) is shown, the display is dim, or the display does not illuminate when the power is on.

Contact your local waste disposal authority for instructions on how to dispose of used batteries. Used batteries can be harmful to the environment, and should not be thrown out with household trash.

USING THE POUCH AS A TABLE STAND

Apart from holding your clock, the included pouch can be fashioned into a table stand as well.

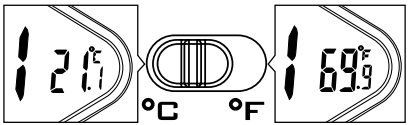


1. Unclasp the pouch.
2. Fold the pouch backwards and attach the clasp backwards as shown.
3. Insert the travel clock snugly into the lining of the newly-made stand.

BASIC DISPLAYS

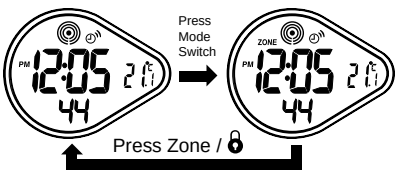
INDOOR TEMPERATURE DISPLAY

Soon after battery installation, the unit immediately reads and displays the surrounding indoor temperature. You can choose between displaying the temperature in Celsius or Fahrenheit by sliding the °C/ °F switch on the back of the unit.



2ND TIME DISPLAY

Press **Zone/** to display the 2nd Time Display. ZONE will appear, along with the time of the 2nd city. Refer to **SETTING THE CLOCK MANUALLY** section for more information on how to set this time display.



To return to normal time display, press the **Mode Switch**.

TOGGLING BETWEEN DISPLAYS

For normal display, toggle between displaying seconds, day-of-week, or current date and month by pressing the **Mode Switch**.

NOTE For the 2nd time Display, press **Zone** / 🔒 to toggle between displays.

RADIO RECEPTION

This product is designed to synchronize its calendar clock automatically once it is brought within range of the radio signal. When the unit is receiving the signal, the Radio Reception symbol with start to blink. Generally, complete reception takes around 2 to 10 minutes, depending on the strength of the signal. The clock automatically searches for radio signal 3 times daily.

RADIO RECEPTION DESCRIPTION

RADIO RECEPTION	DESCRIPTION
	Strong reception of radio clock signal.
	Weak reception of radio clock signal.
	No reception of the radio clock signal.
	Receiving the radio clock signal.
	Radio Reception is disabled.

NOTE Reception can be affected by a number of factors. For best reception, place the device away from metal objects and electrical appliances. Other causes for signal interference include electrical transmission tower, steel reinforced construction, and metal siding. Reception is ideal when placed near a window.

Even though there are areas that may have more difficulty in receiving a signal, the travel clock contains accurate quartz movement and will retain precise timing if the signal is missed on a rare occasion.

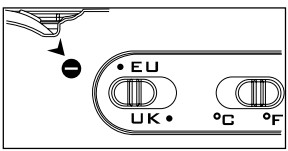
ENABLING/DISABLING RADIO RECEPTION

To manually disable the reception of the RF signal, hold the **DOWN- / UP+ / MODE** switch in the **DOWN-** position for 2 seconds until the Radio Reception symbol completely disappears.

To enable the reception again, hold the **DOWN- / UP+ / MODE** switch in the **UP+** position for 2 seconds. The Radio Reception symbol will blink and the unit will search for the RF signal automatically.

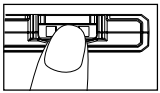
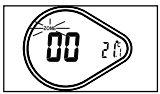
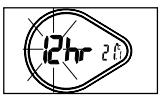
EU / UK RECEPTION

Your travel clock automatically synchronizes the current time and date when it is brought within range of the radio signal MSF60 generated from Rugby, England (UK) or DCF77 generated from Frankfurt, Germany (EU) for Central Europe. You can choose between the two radio signals by switching the EU/UK switch. You have to reset the unit by pressing **RESET** after changing the radio signals.

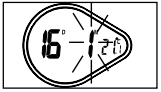


SETTING THE CLOCK MANUALLY

To adjust the clock and settings manually without automatic RF synchronization, remember to disable the Radio Reception first. Press + or – on the **Mode Switch** to adjust the values of each setting.

Diagram	Instructions
	1. Press and hold the **Mode Switch** for 2 seconds.
	2. Adjust the time-zone for a 2nd city. This will set the time and date for the 2nd Time Display. Press **Mode Switch** when done. **NOTE** The 2nd Time Display is calculated using the time-zone offset. As such, this 2nd time display cannot be directly set like the Normal time display.
	3. Choose between 12-hour or 24-hour time format. Press **Mode Switch** when done.
	4. Adjust the current hour. Press **Mode Switch** when done.
	5. Adjust the current minute. Press **Mode Switch** when done.
	6. Adjust the current year. Press **Mode Switch** when done.

7. Choose the calendar display format (Day/Month or Month/Day). Press **Mode Switch** when done.



8. Adjust the current month. Press **Mode Switch** when done.

9. Adjust the current day. Press **Mode Switch** when done.

10. Choose the language displayed for the day-of-week. Press **Mode Switch** when done.

Language Options:

E English D German, F French, I Italian, S Spanish

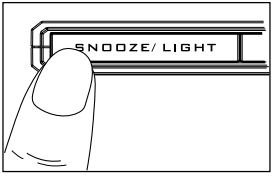
11. Choose to enable/disable the hourly chime. When Hourly Chime is on, a beep sound will be given out at the beginning of each hour. Press **Mode Switch** to return to normal clock display.

ALARM FUNCTIONS

BASIC FUNCTIONS

Your product also has a 2-minute crescendo alarm function. When the alarm goes off:

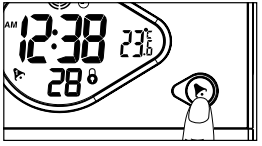
- Press **Snooze/Light** to mute the alarm. The alarm will sound again after 8 minutes.
- Press any other key to turn off the alarm.



ALARM DISPLAYS

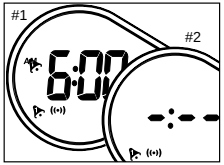
This device comes with dual configurable alarms:

Diagram



Instructions

1. Press the **ALARM** button during normal operation.



2. indicates that the 1st alarm display is now shown.

   Press + or – on the **Mode Switch** to toggle the 1st alarm on (Figure #1) or off (Figure #2).
3. Press **ALARM** to display the 2nd alarm . Toggle the alarm on or off using + or – on the **Mode Switch**.
4. Press the **Mode Switch** anytime to exit alarm mode.

ADJUSTING THE ALARM TIME

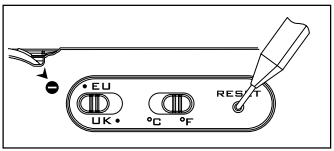
To adjust the Alarm Time, make sure that or alarm displays first.

Diagram	Instructions
	1. Press and hold **ALARM** button. Adjust the hour. Press **ALARM** again when done.
	2. Adjust the minute. Press **ALARM** when done.

ADDITIONAL FUNCTIONS

RESET HOLE

If the clock behaves strangely or stops responding, insert and press a blunt stylus into the clock's Reset Hole. The clock will then be reset to its original factory setting.



BACKLIGHT INTENSITY LEVEL

Press and hold **Snooze/Light** to select the Backlight Intensity level (Lo or Hi). Then, press + or – on the **Mode Switch** to toggle between the two settings.

NOTE Choose "Lo" to conserve batteries during the daylight, while "Hi" is best during nighttime when additional backlight intensity is needed.

KEY LOCK

Press and hold **Zone** / 🔒 to lock or unlock all keys on the unit. This can be used to prevent the accidental pressing of buttons.

SPECIFICATIONS

Dimensions:

Width x Height x Depth	92 x 66 x 7 mm
Weight	44 g

Radio frequency:

System	DCF77 or MSF60 (user-selectable)

Display:

Time format	24-Hour or 12-Hour AM/PM (user-selectable)
Date format	DD-MM or MM-DD (user-selectable)
Day-of-week display	In English, French, German, Spanish, and Italian
Clock accuracy	+/-0.5 second per day (when RF is disabled)

Alarm:

Alarm Duration	2 minutes

Power:

Power supply	1 x CR2032 Lithium button cell battery

Operating environment:

Operation temperature	-5.0°C to +50.0°C
Temperature resolution	0.1°C
Temperature unit	°C/ °F (user-selectable)

ADDITIONAL RESOURCES

Visit our website (www.oregonscientific.com) to learn more about your product and other Oregon Scientific™ products such as digital cameras, hand-held organizers, alarm clocks, and weather stations. The website also includes contact information for our customer service department, in case you need to reach us.

TROUBLESHOOTING GUIDE

This section includes a list of frequently asked questions for problems you may encounter. If your device is not operating as you think it should, check here before arranging for servicing.

Problem	Symptom	Check This	Remedy
Measurement does not seem accurate.	Displayed temperature data are different from other measuring instruments.	The measurement method is different.	The temperature resolution for different products may also be different.
		The areas under evaluation are different or are influenced by climate.	Place the 2 instruments very closely for a time period (no less than 30 minutes), avoiding direct light and air movements.
Clock time is not correctly set.	No radio signal reception.	Electromagnetic interference or objects are barring reception. Orientation or placement of main unit is not optimum for receiving radio signal.	Place the main unit far away from PCs, phones, and other electronic equipment and near a windowsill. Wait for at least 72 hours.
No Alarm	Alarm does not sound.	Alarm is disabled.	Turn on the alarm setting.
Operation Not Normal	Certain functions do not perform.	Device requires reset.	Reset the unit with a blunt stylus pressed against the RESET Hole.

EC-DECLARATION OF CONFORMITY

This product complies with the essential requirements of Article 3 of the R&TTE 1999/5/EC Directives, if used for its intended use and that the following standard(s) has/have been applied:

Efficient use of radio frequency spectrum
(Article 3.2 of the R&TTE Directive)
applied standard(s) **N / A**

Electromagnetic compatibility
(Article 3.1.b of the R&TTE Directive)
applied standard(s) **ETS 300 683:1997**

Safety of information technology equipment
(Article 3.1.a of the R&TTE directive)
applied standard(s) **EN 60950:1997**

Additional information:

The product therefore conforms with the Low Voltage Directive 73/23/EC, the EMC Directive 89/336/EC and R&TTE Directive 1999/5/EC (appendix II) and carries the respective CE marking.

VS-Villingen / Germany August 2001
Gerhard Preis
R&TTE representative of manufacturer

CE

RTTE Compliant Countries :
All EC countries, Switzerland (CH)
And Norway (N)

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